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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/615,419

07/09/2003

Bajko Gabor

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05/28/2008

SQUIRE, SANDERS & DEMPSEY L.L.P.

8000 TOWERS CRESCENT DRIVE

14TH FLOOR

VIENNA, VA 22182-6212

EXAMINER

HOANG, DANIEL L

ART UNIT

PAPER NUMBER

2136

MAIL DATE

DELIVERY MODE

05/28/2008

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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

### Office Action Summary

**Application No.**

10/615,419

**Applicant(s)**

GABOR ET AL.

**Examiner**

DANIEL L. HOANG

**Art Unit**

2136

**Period for Reply** -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 12/31/07.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-10, 12-22, 24 and 26-37 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-10, 12-22, 24 and 26-37 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/S508)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

### **RESPONSE TO ARGUMENTS**

Applicant's arguments filed 12/31/07 have been considered but are not persuasive.

Applicant argues the following:

- a) Pirttimaa fails to disclose or suggest "said prefix value referring to a portion of a first internet protocol address associated with the first node; creating a security association between the first node and the second node based on the prefix value". More specifically, applicant argues that Pirttimaa teaches that the prefix value refers to the whole IP address as opposed to just a portion.
- b) Pirttimaa fails to disclose or suggest "the security association is valid for a plurality of different internet protocol addresses, each of said plurality of internet protocol address including said portion of the first internet protocol address to which the prefix value refers".

In regards to a), examiner respectfully disagrees. As per paragraph 42 of the Pirttimaa reference, it can be seen that "P-CSCF 30 performs an address comparison in which an IP address or at least a part of the IP address is compared to an IP address indicated in a header of the SIP message". As can be seen, Pirttimaa teaches that a portion of the IP address can be used to set up the security association.

In regards to b), examiner respectfully disagrees. As can be seen in paragraphs 4 and 9, each subscriber has a private user identity (IMPI) which is assigned by a home network. When a subscriber is roaming, the system taught by Pirttimaa allows the user to authenticate back to the home network through the use of P-CSCF and I-CSCF which allow the subscriber to register a roaming IP address to its own IMPI. Thus, it is clear that the security association may be valid for a plurality of IP addresses.

Based on the above responses to applicant's arguments, the previous office action's rejections are maintained.

## CLAIMS PRESENTED

Claims 1-10, 12-22, 24 and 26-37 are presented.

## CLAIM REJECTIONS

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

**Claims 1-10, 12-22 and 26, 27, 29-37 are rejected under 35 U.S.C. 102(e) as being anticipated by Pirttimaa (US PGP No. 20030154400).**

**As per claim 1 and 13 and 26-27, 29-32, Pirttimaa teaches:**

A method comprising:

forwarding a prefix value from a first node to a second node in a packet switched environment, said prefix value referring to a portion of a internet protocol address associated with the first node;

*[see paragraph 40, 42] UE140 is interpreted as the first node, P-CSCF is interpreted as the second node, the SIP register message with address included is interpreted as the prefix value being forwarded.*

creating a security association between the first node and the second node based on the prefix value;

*[see paragraph 41]*

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wherein the security association is valid for a plurality of different internet protocol addresses, each of said plurality of internet protocol addresses including said portion of the first internet protocol address to which the prefix value refers.

*[see response to arguments presented above]*

**As per claim 2 and 14, Pirttimaa teaches:**

A method as claimed in claim 1, wherein the packet switched environment is a IP Multimedia Subsystem (IMS) of a 3rd generation (3G) network.

*[see paragraph 2]*

**As per claim 3 and 15, Pirttimaa teaches:**

A method as claimed in claim 1, wherein the first node is User Equipment (UE).

*[see rejection of claim 1]*

**As per claim 4 and 16, Pirttimaa teaches:**

A method as claimed in claim 1, wherein the second node is a Proxy Call State Control Function (P-CSCF)

*[see rejection of claim 1, "P-CSCF"]*

**As per claim 5 and 17 and 33-37, Pirttimaa teaches:**

A method as claimed in claim 1, wherein the message is a protocol message.

*[see rejection of claim 1, "SIP Register"]*

**As per claim 6 and 18, Pirttimaa teaches:**

A method as claimed in claim 5, wherein the protocol is a Session Initiation Protocol (SIP).

*[see rejection of claim 5]*

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**As per claim 7 and 19, Pirttimaa teaches:**

A method as claimed in claim 1, wherein the message is a SIP REGISTER message.

*[see rejection of claim 1, "SIP Register"]*

**As per claim 8 and 20, Pirttimaa teaches:**

A method as claimed in claim 1, wherein the prefix value is included in a header of the message.

*[see rejection of claim 1 wherein the SIP register message includes the address in the header.]*

**As per claim 9 and 21, Pirttimaa teaches:**

A method as claimed in claim 8, wherein the header is a Security-Client header.

*[see paragraph 42]*

**As per claim 10 and 22, Pirttimaa teaches:**

A method as claimed in claim 9, wherein the prefix value is included in an extension parameter of the Security-Client header.

*[see rejection of claim 8]*

**As per claim 12 and 24, Pirttimaa teaches:**

A method as claimed in claim 1, wherein the prefix value is allocated by a Gateway GPRS Support Node (GGSN).

*[see paragraph 4]*

**As per claim 28, Pirttimaa teaches:**

A method as claimed in claim 1, wherein the forwarding of the prefix value from the first node to the second node comprises forward the prefix value in a message.

*[see rejection of claim 1 wherein the prefix value is sent in a SIP request message]*

### POINTS OF CONTACT

- \*. Any response to this Office Action should be **faxed to (571) 273-8300 or mailed to:**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Hand-delivered responses** should be brought to

Customer Service Window  
Randolph Building  
401 Dulaney Street  
Alexandria, VA 22314

- \*. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel L. Hoang whose telephone number is 571-270-1019. The examiner can normally be reached on Monday - Thursday, 8:00 a.m. - 5:00 p.m., EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nasser Moazzami can be reached on 571-272-4195. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

*Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).*

/Daniel L. Hoang/  
Examiner, Art Unit 2136

/Nasser G Moazzami/  
Supervisory Patent Examiner, Art Unit 2136